

What is claimed is:

- 1. A dental implant registration apparatus comprising:**
an impression tray having
a curved dissected frame;
a horizontal mesh;
a light conveying fiber assembly having a flexible distal end;
a light curable compound surrounding said flexible distal end;
a flexible coaxial tube containing said light curable compound and
said flexible distal end of said light conveying fiber assembly;
and
a proximal end of said light conveying fiber assembly having a
light entry port;
said flexible distal end of said light conveying fiber assembly
rendered inflexible by the hardening of said light curable compound
upon entry of curing light into said light entry port.
- 2. An apparatus as cited in Claim 1 comprising said fiber assembly**
having a single optical fiber.
- 3. An apparatus as cited in Claim 1 comprising said fiber assembly**
having several said optical fibers.

- 4. An apparatus as cited in Claim 1 comprising said flexible distal end treated to disperse said curing light throughout said light curable compound.**
- 5. An apparatus as cited in Claim 1 comprising transparent particles surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 6. An apparatus as cited in Claim 1 comprising transparent spheres surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 7. An apparatus as cited in Claim 1 having said curved dissected frame comprising several dissected sections.**
- 8. An apparatus as cited in Claim 1 comprising said proximal end of said light conveying fiber assembly having a transparent, conic light funnel to direct said curing light into said light conveying fiber assembly.**

Respectfully submitted.

A handwritten signature in black ink, appearing to read "E. L. Schacht".

Ezra L. Schacht

Registered patent agent #28261